

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DESIGN INFORMATION BULLETIN

NO. 22-23.005

REPORT NO. ZM-22-005

DATE: 12 July 1960

MODEL 22- AIRPLANE

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SKYDROL 500 CONTAMINATION AREAS

1. This D.I.B. defines the zone where components and airframe areas are subject to hydraulic system leakages or (servicing) spillage or vapors.
2. Zone identification shall be as shown on Figure 1 ("Maintenance Zones") and shall be considered as contamination areas in accordance with Table 1 designation.
3. Each design group shall be responsible for the selection of Skydrol resistant materials and processes suitable for parts and assemblies located in the Skydrol areas as indicated in Table 1.
4. Compatability information on materials and processes for use in Skydrol areas may be obtained from Value Engineering personnel concerned.

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SKYDROL 500 CONTAMINATION AREAS

TABLE I
CONTAMINATED AREA DESIGNATION

ZONE	EXTERIOR	INTERIOR	ZONE	EXTERIOR	INTERIOR	ZONE	EXTERIOR	INTERIOR
1	PS	—	35	PS	—	72	O	S*
2	PS	S	36	PS	—	81	PS	S
3	PS	PS	37	PS(RS)	—	82	PS	S
4	PS	PS	38	PS(RS)	—	83	PS	S
5	PS	S	40	—	—	84	PS	S
6	PS	S	41	—	—	85	PS	S
7	S	S	42	—	—	86	PS	S
8	S	PS	43	PS	—	87	PS	S
10	—	PS	44	PS	—	88	PS	S
11	PS	—	45	—	—	—	—	—
12	PS	—	46	—	—	—	—	—
13	PS	S*	47	—	—	—	—	—
14	S	—	50	PS	—	—	—	—
15	—	S	51	O	PS	S	S	S
16	S	—	52	O	PS	S	S	S
17	S	—	53	O	PS	S	S	S
20	—	—	54	O	PS	S	S	S
21	—	—	55	O	PS	S	S	S
22	—	—	56	O	PS	S	S	S
23	PS	—	57	PS	—	—	—	—
24	—	—	60	O	PS	S	S	S
25	—	—	61	O	PS	S	S	S
30	PS(RS)	—	62	S	—	—	—	—
31	PS(RS)	—	63	S	—	—	—	—
32	PS	—	64	O	PS	S	S	S
33	PS	—	65	O	PS	S	S	S*
34	S	—	70	PS	—	—	—	—
			71	PS	—	—	—	—

CODE:

PS = Potential Skydrol 500

Contamination. Δ S = Skydrol 500 Contamination.
(i.e. due to broken line.

or loose fittings.)

RS = Rear Spar (Art side only.)

— = No exposure to Skydrol.

*13, 70, 71, 72 = No contamination on 22-1, -2.

 Δ Potential defined as areas susceptible to Skydrol contamination such as areas 11 & 12 being wetted with Skydrol because of leakage in Nose Wheel Well when airborne.

O Refer to Page 3 for specific limitations set for the indicated zones.

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SKYDROL 500 CONTAMINATION AREAS

Specific limitations for Skydrol contamination in the following zones.

Zones 51 through 56 - interiors all limited to "S Classification" contamination as follows:

Zone 52 & 53 - limited to aileron nose section and forward side of front spar.

Zone 51 - outboard - lefthand flap and spoiler

Limited to exposed areas of nose section and forward side of front spar of each flap.

Zone 53 - inboard - lefthand flap and spoiler

Zone 54 - inboard - righthand flap and spoiler

Zone 56 - outboard-righthand flap and spoiler

Zone 60 - outboard - lefthand horizontal stabilizer

Limited to inboard end face.

Zone 65 - outboard - righthand horizontal stabilizer

Zone 61 - lefthand - elevator

Limited to inboard end surfaces, forward side spar and exposed areas of nose section.

Zone 64 - righthand - elevator

Zone 72 - rudder

Limited to bottom end surface, exposed areas of nose section, and forward side of spar.

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Maintenance Zones - Convair 880 (Model 31)

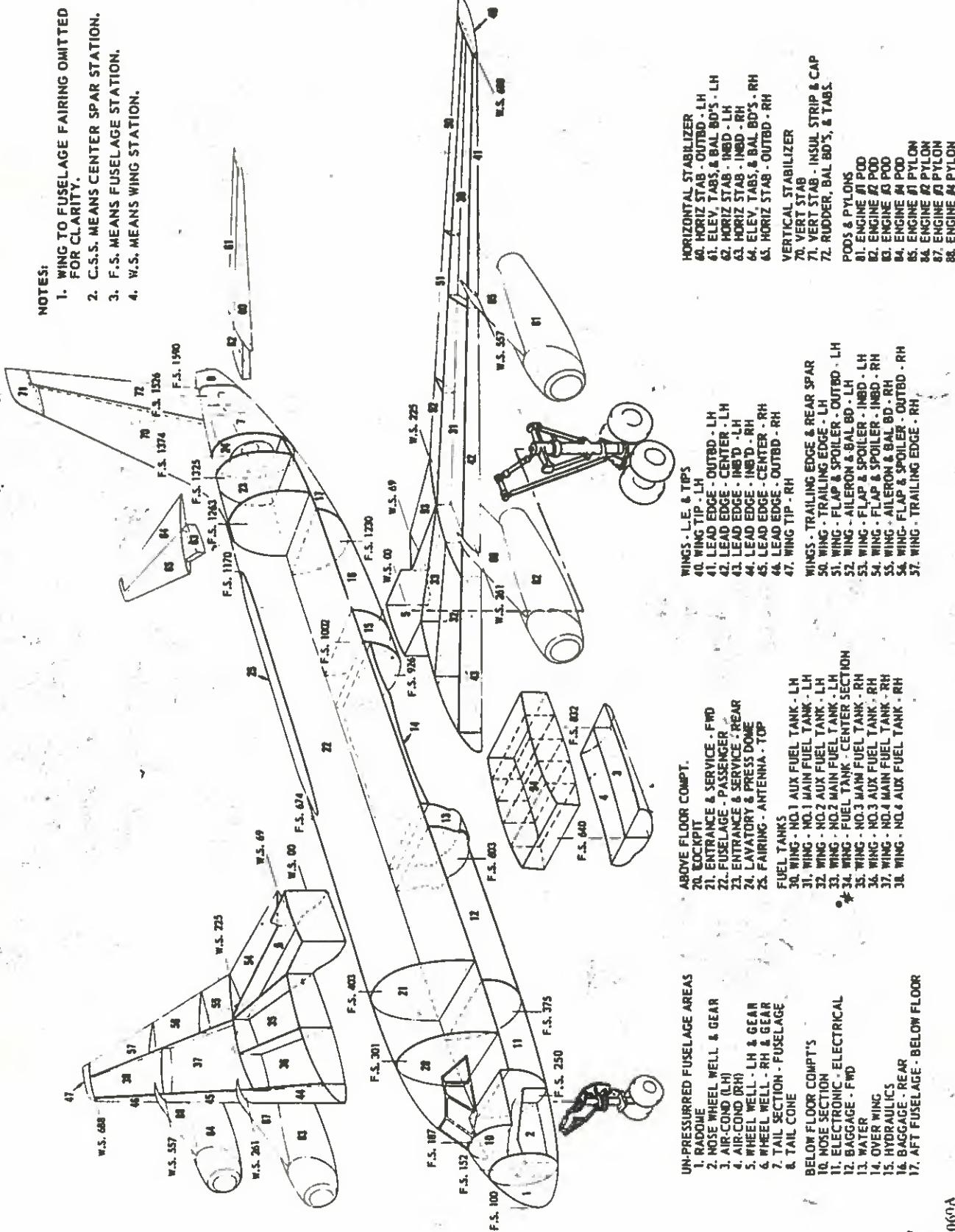


FIGURE I